

In the Claims:

Please cancel claims 1-4, replace claims 5 and 6, and add new claims 8-13, all as shown below. All pending claims are reproduced below, including those that remain unchanged.

Claims 1-4. (Canceled)

5. (Currently Amended): The A system of claim 4, including for storing and retrieving information, comprising:

a rotatable means for storing data;

a positioning means for positioning a head to store or retrieve data on said rotatable means;

a means for moving said positioning means;

a means for applying a voltage to said means for moving such that said positioning means moves at a design rate;

a means for selectively switching between a first voltage and a second voltage such that an approximately constant current is delivered to said means for moving; and

a means for communicating with said rotatable means, wherein the means for communicating with said rotatable means is removed from communication with said rotatable means when switching between said first voltage and said second voltage.

6. (Currently Amended): A system for storing and retrieving information, comprising:

a spindle;

~~at least one~~ a disk connected with the spindle;

a head in communication with ~~each of~~ said ~~at least one~~ disk;

a rotary actuator assembly connected with said head;

a voice coil motor having at least two terminals connected with the rotary actuator assembly for moving said head; and

a power driver electrically connected with said voice coil motor;

wherein a first voltage potential is applied across two terminals of said voice coil motor such that said head moves at a design speed;

wherein when said head is removed from communication with said ~~at least one~~ disk, said power driver switches between applying said first voltage potential and a second voltage potential across two terminals such that a constant current is delivered to said voice coil motor.

7. (Original): The method of claim 6, wherein the switching is at a rate greater than 50kHz.
8. (New): A system for storing and retrieving information, comprising:
a disk for storing information;
an actuator;
a head operably associated with the actuator, the head being adapted to communicate with the disk;
a voice coil motor connected with the actuator; and
a power driver electrically connected with the voice coil motor;
wherein when a voltage potential is applied to the voice coil motor by the power driver the actuator pivots according to the voltage potential;
wherein when a command is received to remove the head from communication with the disk, the power driver repeatedly switches between applying a first voltage potential to the voice coil motor and a second voltage potential to the voice coil motor such that an approximately constant current is delivered to the voice coil motor.
9. (New): The system of claim 8, wherein the power driver is a linear driver.
the first voltage potential is achieved when a first current results from substantially saturating the linear driver; and
the second voltage potential is approximately zero.
10. (New): A system for storing and retrieving information, comprising:
a disk;
an actuator having a voice coil motor for pivoting the actuator; and
a head operably associated with the actuator, the head being adapted to communicate with the disk;
wherein a current applied to the voice coil motor pivots the actuator according to the current;
wherein a voltage potential switches at a switch rate between a first voltage potential and a second voltage potential such that an approximately constant current is delivered to the voice coil motor; and
wherein the switch rate can vary with a desired precision of movement.

11. (New): The system of claim 10, wherein when a command is received to remove the head from communication with the disk, the switch rate is reduced relative to an average switch rate.

12. (New): The system of claim 11, further comprising a power driver electrically connected with the voice coil motor;

wherein:

the power driver is a linear driver;

the first voltage potential is achieved when a first current results from substantially saturating the linear driver; and

the second voltage potential is approximately zero.